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(54) Title: AN RF COIL SYSTEM FOR AN MRI SYSTEM WITH A FIXED AND A MOVING PART

(57) Abstract: The present invention relates to an RF system for a magnetic resonance imaging device (13). The RF system comprises an RF transmitter coil subsystem and an RF receiver coil subsystem (18), wherein the RF receiver coil subsystem comprises at least one first coil-like element (19) and at least one second coil-like element (20), wherein the or each first coil-like element is assigned to a main magnet system (15) of the magnetic resonance imaging device, and wherein the or each second coil-like element is assigned to an object (14) to be analyzed by the magnetic resonance imaging device.

WO 2005/076027 A1